THE TECH

VOL. XXVII. No. 35 BOSTON, MASS., FRIDAY, DECEMBER 20, 1907 PRICE THREE CENTS

ACTIVE SEASON AHEAD OF TRACK TEAM.

WINTER WORK BEGUN,

Six Meets Planned. First Class Meet On January 3rd.

Winter track work at the Gym is now well under way and the team is working in preparation for the meets that lie ahead of it. Some time ago a few of the men started in work and now the general call for candidates has been issued by Captain Orr. The schedule of the team starts very soon and there is no time to lose in getting the team into condition.

The first event in the sphere of track athletics at the Institute will be the indoor class championship meet which will be held on January 3rd, a few days after the students get back from the regular Christmas vacation. A short while after the vacation, however, will be afforded for practice as the men have to be back at school before New Year's day.

At this meet all the events that can be contested in the Gym will be run off. They will comprise the forty yard dash, the quarter mile run, the 880, the mile, the shot put, the high jump, the pole vault, and the broad jump.

All the classes will be represented and the scores of the men will count on the class championship for the year.

Technology will enter a team in the B. A. A. games on the first of February and in all probability will run against Williams in the one mile relay with five men on a team, each man to run 390 yards. Last year the team ran against Holy Cross at these games and the result was very unsatisfactory from several standpoints. Technology has already indicated its willingness to match up with the team from Williamstown and the B. A. A. authorities hope to arrange the race. It will be a much harder proposition than that usually met by the Tech team at the mid-winter games.

In the early part of February it is very probable that Tech will have a dual meet with Holy Cross. It will be held in Boston. In anticipation of this meet Coach Kanaly has been taking particular pains with the varsity team.

In the spring Tech meets the University of Maine in a dual meet to be held in this city. It is a return contest for the one held last season on the Maine field at Orno. The Brown meet is still in the air and it is not yet certain what will be done about it. The two managers have been talking the matter over and the meet may be held again this year at Tech Field, the same place as it was run last year.

It is a far cry from Boston to New Brunswick, New Jersey, but Technology has had an offer for a track meet from Rutgers College. The proposition was for a meet in this city. On account of the great distance and expense attendant on such a contest it is hardly likely that it can be arranged.

At the Pennsylvania Relay carnival in Philadelphia Technology will be represented in the one mile relay race championship of New England. The team last year won this event and another team will be sent this season to try its luck in the same contest. The chances for a good showing seem extremely good, and any distinction gained at these races is of double value.

TO REPOPULATE FORESTS.

Plan For National Forests Discussed Before Society of Arts.

Forestry, with special reference to the proposed plan for national forests in the White and Appalachian mountains, was the subject of Mr. Philip W. Ayres, Forester of New Hampshire, last evening, at a meeting of the Society of Arts. A very interesting talk, illustrated by a number of fine lantern slides, was given by Mr. Ayres, showing how our great forests are rapidly being used up, and the great chance for success in the department of forestry. The meeting was well attended.

SOCIAL EVENT OF WINTER SEASON AT TECH

MUSICAL CONCERT A SUCCESS.

Glee, Banjo, and Mandolin Clubs Take Part. A Dance Follows.

The mid-winter climax of all Tech social activity, the Annual Winter Concert, held last night, was a great success. From the first Glee Club song to the last, the stein song, in which all joined, there was not a dull moment. The audience showed its appreciation by enthusiastically demanding encores. Among these encores were "Shandon Bells," by the Glee Club, and "Four Little Black Berries" by the Mandolin Club. The Banjo Club made a great hit with its "Big Chief Battle Axe" encore and Mr. A. H. Thompson, the cellist, responded with a selection "Evening Star."

This general good feeling in evidence during the concert carried itself into the dance which took place later. It was specially noticed in the Barn Dance.

The program:

1. Ho Jolly Jenkin, Glee Club, Sullivan
2. Across the Missouri, Bond
   Mandolin Club.
3. Cello Solo, "Cantilena," Goltimann
   Mr. Abbot H. Thompson.
4. (a) The Rosary, Nevin
   (b) Absent Metcalf
   Quartet.
5. Pastimes on the Levee, Turner
   Banjo Club.
6. Winter Song, Glee Club. Bullard
7. Estudiantina Waltz Waldteufel
   Mandolin Club.
8. Solo, "The Mighty Deep," Jude
   Mr. George P. Lunt.
9. The March of the Minute Men,
   Banjo Club Weaver
10. Stein Song. Glee Club. Bullard

(Continued on page 2.)

CUT IN SHOW CANDIDATES.

Many Dropped on Account of School Work.

It has been necessary to make the first reduction in the number of men out for the Tech Show management. It is desired that only the following men continue in the competition.

W. D. Everett, S. M. Ratzkoff, A. A. Gould, R. H. Ranger, R. F. Burnett, R. A. D. Preston, D. A. French, M. S. Chapin, D. Clapp, P. W. Burnham, and C. J. Brown.

Many of the men have been dropped on account of school work.

FISH, FISH, FISH.

Biologists Hear About and Enjoy That Article of Food.

That the new Biology Society is unique in its makeup was demonstrated Wednesday evening when it assembled at the Union for its first dinner. The menu which bore throughout unmistakable signs of its originators, was particularly enticing. Among one of the specialties served, was the recently introduced ocean flake, or dogfish under its less disguised name.

Among the guests present was Dr. George Field of the Massachusetts Fish and Game Commission, who has been much interested in emphasizing the gastronic qualities of this species of small shark as the best means of insuring its control. He spoke of the work being done in this direction and the opportunity offered for its introduction in place of the salmon which is rapidly disappearing.

Professor Sedgwick of the biological department discussed the many opportunities offered to men of the course in the newly acquired fields of economic biology, and encouraged the society in its new work.

At the conclusion of dinner Robert N. Hoyt 1909 was chosen temporary chairman of the society and Nelson Harrub 1909 secretary. Scott Mac Nutt 1908, George A. Haynes 1909, and the chairman were chosen an executive committee to report on a plan for the permanent organization of the society.

MANY TEAMS NOW WORKING AT TECH.

GOOD SUPPORT FOR ALL.

Basketball, Hockey, and Gymnasium Teams Are Doing Excellent Work.

Other forms of athletics than track are receiving their share of attention at the Institute this year, and all branches of sport are well represented in the winter activities. The gymnasts, the hockey men, the basket ball players have all been far from idle.

Gymnastic work has aroused a good deal of interest and a good bunch of men have been out working on the gymnastic team. Some of its members gave a joint exhibition with the team of the Boston Y. M. C. A. and the men showed up very well. During the season several exhibitions will be held and an endeavor will be made to have the team placed on a firmer footing at the Institute.

In the line of gymnasium work the faculty have of late exhibited considerable interest and have for the first time seemed to feel any direct responsibility for the physical condition of the men. This year they have required all of the freshman class to submit to a physical examination and in accordance with the showing made by some of the men in the strength tests have issued recommendations for the men to take gymnasium class work during the winter. These classes are in charge of Winfield Towne, a Bowdoin graduate and he is making a great success of the work. Three afternoons a week the regular classes are held and twice a week a special class is held for work on the apparatus of a more advanced order. The only trouble with this is that it is necessary to hold the classes during the afternoon when the basket ball team is at work, and thus the team is prevented from having the use of the floor for practice for as long a time as it may desire.

Notwithstanding this, and in spite of the fact that the basket ball team does not have the use of a professional coach, or indeed of a coach of any kind the work done by the team so far this season has not been at all bad. In the first game of the season the team met Boston College and defeated them by an overwhelming score and in the game Saturday with Dartmouth the team made a very good showing playing the crack Hanover five a very fast game and holding them to a very creditable score.

In the work to date the team has showed exceptional ability in shooting baskets from the floor but has proven very poor at concerted team work in holding their opponents.

Great interest has been shown this year in Hockey, and a good many men have indicated their desire to try for the team. An extensive schedule has been arranged including a trip of con-

(Continued on page 3.)

NEW YEAR'S PLANS.

Seniors Appoint Portfolio Nominating Committee.

At a meeting of the senior class Wednesday afternoon it was decided to appoint a committee to look out for the nomination and election of the Senior Portfolio committee. The chair appointed on this body Basil L. Gimson, Raymond W. Ferris, and Hubert W. Flaherty.

Plans for New Year's eve were discussed and it was decided to hold a late supper at the Union and go from there to Rogers steps where the usual cheering will be indulged in.

PROFESSOR BATES TO READ.

On Tuesday evening, December 24th, the Boston Young Men's Christian Union will give a Christmas eve entertainment to which all Tech men and their friends, ladies or gentlemen, are invited. Prof. Arlo Bates will read Dickens' Christmas Carol. A musical program will also be presented.

TECH PROFESSORS IN ACTIVE OUTSIDE WORK.

CHEMICAL AND ELECTRICAL ACTIVITY.

Professor Gill Testing Oil and Professor Jackson in Telephone Work.

Professor A. H. Gill of the Institute Chemical Department is chairman of the committee appointed for testing of lubricants by the American Society for testing materials.

The committee will first compare the various means for determining the viscosity or "body" of an oil and if possible arrive at some method by means of which the results obtained with different viscosities can be compared and expressed in absolute measure. Later the various other tests applied to lubricating oils will be considered.

A new book by Professor Gill on "Engine-Room Chemistry" has just been issued by the Hill rubishing Company. The book deals with fuels, water and oil. The sources, behavior and methods of testing these substances are explained in popular language, so that the subject matter may be understood by anyone connected with engine room work.

Several results of technical as well as scientific interest were obtained by fourth year students working on these subjects under Dr. Gill's direction during the past year. Tests on some small suction gas producers and gas engines showed that the efficiency of twenty horse power engine, based on the amount of coal consumed was three to four times that of the best steam engines of the same size.

Another piece of work of practical interest to manufacturers of woolens has been the determination of the adulteration of wool oils with mineral oil. There are on the market the so-called "recovered" oils which are obtained from distillation of "degras" or grease naturally contained in the wool. By this process of distillation, hydrocarbon oils, similar to mineral oils are formed and it has become necessary to find a means of distinguishing between them. The work so far as it has gone has been satisfactory, but it has not been completed owing to lack of funds. It is hoped that an amount may be obtained sufficient to provide for an assistant to complete this valuable work.

Professor D. C. Jackson, head of the electrical engineering course, was chairman of a special committee appointed to report on the telephone situation in Chicago.

The committee made an exhaustive study of the telephone situation and in its report to the committee on gas, oil, and electric light of the Chicago city council, made a number of suggestions which were substantiated by the city council in the extension of the franchise of the Chicago Telephone Company.

It is said that an offer has been made to Prof. Jackson asking him to become the temporary technical assistant of the expert accountant engaged in devising a system of bookkeeping by which the city can keep informed about the financial operations of the Chicago Telephone Company under the new franchise.

Prof. Jackson and his brother W. B. Jackson are making a complete investigation of the Minneapolis General Electric Company which supplies the city lighting and commercial lighting and power to the City of Minneapolis. An inventory of the entire stock of the company will be made to ascertain the rate of interest which is being realized upon the capital involved.

Professor Clifford has got well started on his graduate course in alternating currents in which he intends to cover the evaluation of line constants and high voltage transmission phenomena in detail.

Professor G. C. Shaad has taken up the work in the graduate course in Central Station Design in which the students not only design central stations but inspect many plants in the vicinity of Boston which show practical points of design and in this way test out the practical application of the theories involved.

THE TECH

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Friday, December 20, 1907.

OUR OLD FASHIONED FACULTY.

Every Tech man who enters into student enterprises knows that at the present time these activities are not fostered by the majority of the Faculty, but are rather repressed and frowned upon. This seems a strange course when most college graduates, most Institute alumni who have become real "sombed e?" in the world say that more than half, the best half of what they have, came from the training and associations wholly outside of the curriculum.

Professor Swain said in his article on Course 1:

"The college offers a man an opportunity to train himself in those mental, moral and physical qualities which will bring him success. Let each student see to it that he avails himself of his opportunities to the utmost and success will be within his grasp."

Opportunities there are aplenty for men to develop but under the present system at the Institute only those men who are naturally bright, those men who feel that social life is a necessity, those men who can afford to go against the general disapproval of the Faculty, dare to go into student activities. And the men who do not take part in these enterprises are those who need the experience most.

At the present time there are a few of the administrative officers taking an interest in the student activities but they are men who are not teachers in the true sense of the word, have not to do with the dealing out of the marks, and have no great weight in the giving a man a degree. The Fates at the Institute on the average look not kindly on student activities for these enterprises interfere with the discussion of the theoretical displacement of an oblate hyperboloid in a viscous fluid or other deeply impressive things.

What is needed is not so much the guidance of the administrative officers as an opportunity for the students to take part in the student activities with the true consent of the various Faculty members and heads of courses, and an allowance made for the time taken for a thorough-going participation in one of the activities.

Students may be advised to take part in affairs outside of their work, but of what use is this when as a whole the instructing staff assigns a mass of work that takes all of a student's spare time. Fellows are advised to go in for social development, and to support student entertainments, and then, an important examination is given the day after a student concert. Fellows are told to keep themselves physically fit, to exercise out of doors, to work on the track team, and then, work is piled upon them that keeps them in the drawing rooms until after dark.

Considering that efficiency, initiative and judgment as well as high purposes, are the vitally essential qualities for the fullest success and that these qualities are best developed in an educational institution by the proper combination of book study and student activity rather than book study alone, it seems old-fashioned, short-sighted in the governing bodies of the Institute that the student enterprises are not given official recognition.

METHUSELAH'S MAXIMS.

All mystery is cleared from the problems of love-making in "The Maxims of Methuselah" by F. Gelett Burgess 1887. A few of the maxims are in questionable taste but as a whole the book is extremely attractive for its keen wit.

Translated from the cuneiform writings of Methuselah the maxims show this experienced husband's wonderful insight into woman's character.

SOCIAL EVENT.

(Continued from page 1.)

Mrs. Henry P. Talbot, Mrs. Frank H. Rand, and Mrs. Duga d C. Jackson acted as Matrons.

The reception committee was composed of Herbert T. Gerrish 1908, Arthur L. Gardner 1908, Arthur W. Lunn 1909, Clifford C. Hield 1910, and Donald R. Stevens 1911.

The officers of the clubs are as follows:—

Arthur L. Gardner 1908, president; Harold W. Griswold 1908, vice-president; Clifford C. Hield 1910, general manager and treasurer; Ralph J. Batcheider 1908, secretary; Wallace D. Richardson 1910, assistant general manager.

PSYCHOLOGY AS A STUDY.

Discussed by Prof Swain. A Man Has Two Egos.

The power of an individual over himself was the subject of Prof. Swain's second talk yesterday afternoon. He first advised everyone to read Thomas J. Hudson's "The Law of Psychic Phenomena," "A Scientific Demonstration of the Future Life," "The Law of Mental Healing," and "The Divine Pedigree of Man." He also advised all, to see "The Witching Hour," a play which deals with psychology.

Prof. Swain believed that every man ought to know a little about psychology in order to be broad minded.

The study of mental phenomena, at which scientists used to scoff, has recently become a regular scientific study and some interesting facts have been brought out. The study has shown that a person's "ego" is made up of two parts called his subjective and objective.

Prof. Swain gave some examples of the working of the subjective and objective mind and touched upon the subject of Christian Science and Mental Healing. He spoke also of the relation of the subjective mind to genius and to mathematical prodigies.

An article on the law of compensation by Pentacost from "The Philistine" was then read. This stated that each man gets, in the long run, exactly what he pays for, nothing more and nothing less. It gave a new conception of the Deity and contained a good deal of food for thought.

CHRISTMAS ENTERTAINMENTS.

President Noyes Invites Men To Reception At The Union.

All students who will be away from home Christmas week are urged to meet at the Union at 7.30 P. M. on the evening before Christmas (Tuesday, December 24th) to take part in the usual Christmas festival. The entertainment will consist this year in a talk by Mr. Lyman Underwood upon animal life, illustrated by colored steropticon views, followed by the distribution of gifts from the Christmas tree, singing and instrumental music, and light refreshments. A. A. NOYES, President.

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83 NEWBURY STREET, BOSTON

The Review aims to develop closer relations among Institute men and to stimulate their interest in the work of the College. It is in no sense an engineering magazine, but deals broadly with the problems of Technological Education and the responsibilities of the professional man.

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MANY TEAMS WORKING.

(Continued from page 1.)

siderable extent, and the outlook for a successful season is bright indeed. Of course the team is limited in its opportunities for practice by the condition of the ice and a hockey team that must practice out of doors is at best a doubtful proposition.

The lately reorganized athletic association is now in full charge of the different branches of sport, and athletics in general have received a great stimulus under the new administration of the students. By the new plan most of the active supervision of athletics has been taken out of the hands of the graduate advisory council and has been given into the hands of the new undergraduate body. It has been in successful operation for over a month and has been able to dispose of the routine of athletic matters in a most satisfactory way.

EX-EXONIANS MEET.

Lay Plans for Dinner After Christmas Recess.

Short but active was the business session of the Exeter Club yesterday noon. Treas. Sherman was authorized to collect a 50 cent assessment from each member, to pay for insertions in Technique 1908 and 1909. A dinner was set for Saturday evening, Jan. 11th, to be held at the Technology Club. A dinner committee of one from each class will be selected.

PARK PROGRESS.

Mr. John R. Rablin, head of the engineering department of the Metropolitan Park Commission, was the speaker at the meeting of the civil engineering society Wednesday afternoon. His talk on the engineering features of the Metropolitan Park system was illustrated with a large stock of lantern slides and gave a comprehensive idea of the magnitude of the work accomplished by the commission during the last ten years. The most interesting features from a technical point of view were the bridges and sea-walls. Nearly all of these have been built since the introduction of reinforced concrete construction and many of them are beautiful examples of the application of this work.

POSTER CONTEST UNPRODUCTIVE.

No Interest Aroused in Competition for Tech Show Prize.

As yet no posters have been submitted in competition for the $10.00 prize offered by the Tech Show, although the announcement was made two weeks ago. Few have even expressed their intention to try for it. Two years ago this was the case, and the management was finally obliged to go outside of the Institute for a creditable production.

The management will do the same this year unless a suitable drawing is submitted although, needless to say, it does not want to do so. The conditions of the competition were given in The Tech Monday, Dec. 2. Further information may be obtained from C. J. Brown 1909 at 34 Rogers, Tuesdays and Fridays from 4 to 4.50 P. M.

SOUTHERNERS TO DINE.

Arrangements are now being made for a dinner to be given by the Southerners from the Institute who remain in Boston during the holidays, Monday, Dec. 23, at 7.30 P. M., has been selected as the date, but definite arrangements as to the place cannot be made until it is definitely known how many men will be present. All Southerners at the Institute are urged to attend. The total cost will not exceed $2.00, but cannot be exactly ascertained until arrangements are completed. Any balance will, of course, be promptly returned.

Any who expect to attend should see a member of the committee, or should send two dollars to Harold Bonnetheau, Hotel Kempton, Boston. The committee is composed of Richard Ayres, Harold Bonnetheau, and Hardy Cross. No applications will be received after Friday noon, and notice of the place of the dinner will be mailed on that day.

TECH CHEMIST IN LEATHER TRADE.

Robert H. W. Lord 1905, Course X, is now chief chemist of the Ireson Tanning Company at Gorham, Maine, which company controls one of the largest and best tanneries in the state. Under Mr. Lord's efficient management the company has recently added to its production mineral belt, apron, lace and halter leather, which has a wide market and a large sale. Mr. Lord was formerly assistant chemist with the Boston Consolidated Gas Company.

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Christmas Brings About The Nearest Approach to This Ideal.

Prof. Geo. B. Haven of the Mechanical Department spoke at the Y. M. C. A. meeting yesterday. He said in part: "The Christmas story is always new. At this time it is fitting to consider what is a perfect gift. The perfect gift has three characteristics: first, it must cost something; second, it never hopes for return, else it only a bargain; third, it must express the good will of the sender and give happiness to the receiver."

CALENDAR.

Friday, December 20.

4.00 P. M. Glee Club Rehearsal at the Union.
4.00 P. M. Athletic Association Meeting in 22 Rogers.
4.00 P. M. El Circulo Mexicano Meeting at 117 Huntington Avenue.
6.30 P. M. C. E. Summer School Dinner at the Union.
6.30 P. M. British Empire Association Dinner.

Saturday, December 21.

1.00 P. M. Competition for Heading for The Tech Closes.
1.00 P. M. Tech Show Lyric Competition Closes.

Monday, December 23.

7.30 P. M. Southern Club Christmas Dinner.

Tuesday, December 24.

7.30 P. M. Christmas Eve Celebration at the Union.

NOTICES.

CIVIL ENGINEERING SUMMER SCHOOL DINNER.—Don t forget it, tonight at 6.30 at the Union.

ATHLETIC ASSOCIATION. — There will be a meeting of the Athletic Association today at four o'clock. Major Briggs and Mr. Franklin will be present.

HOCKEY.—All candidates living near Boston leave addresses at the Cage for W. J. Kelly. Game and practice next week if there is any ice.

1910.—All men who ordered Class Pipes and have not yet called for them, will kindly do so at once. Pipes are at the Cage, and should be obtained before leaving for the holidays.

A meeting of the El Circulo Mexicano was called last Thursday noon to notify the members of the club of the change of the meeting place, Friday afternoon. The meeting will be held at 117 Huntington Ave., instead of at 611 Beacon St., as was previously announced.

SENIOR PORTFOLIO COMMITTEE.—Nominations for senior portfolio committee close January 1st, 1908, at 4 P. M. Nominations must be signed by ten members of the class and handed to R. W. Ferris, B. L. Gimson, or H. Flaherty, or left at the Cage for the portfolio election committee.

CLASSIFIED ADS.

Advertisements of this kind under different classifications are inserted at the rate of five cents a line, averaging six words to a line, payable in advance.

WANTED.—A man to work 1 hour a day through Xmas vacation in exchange for board. C. A. Woodruff, care of the "Cage."

WANTED AT ONCE.—Agents for the Red Dwarf Ink Pencil. Apply any noon at Room 30, Rogers.

WANTED AT ONCE.—Copies of the first six volumes of Technique in good condition. State price. Box 52, The Cage.

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